



FPL Energy

Point Beach Nuclear Plant

FPL Energy Point Beach, LLC, 6610 Nuclear Road, Two Rivers, WI 54241

June 23, 2008

NRC 2008-0050
GL 2004-02

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Point Beach Nuclear Plant, Units 1 and 2
Dockets 50-266 and 50-301
Renewed License Nos. DPR-24 and DPR-27

Response to Request for Additional Information
Supplemental Response to Generic Letter 2004-02,
Potential Impact of Debris Blockage on Emergency Recirculation
During Design Basis Accidents at Pressurized-Water Reactors

- References: (1) FPL Energy Point Beach Letter to NRC dated November 16, 2007, "Response to GL 2004-02, Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors" (ML073230345)
- (2) FPL Energy Point Beach Letter to NRC dated February 29, 2008, "Supplemental Response to Generic Letter 2004-02, Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors" (ML080630613)
- (3) Telephone Conference with NRC on May 20, 2008, regarding Point Beach Nuclear Plant Resolution of GL 2004-02
- (4) FPL Energy Point Beach Letter to NRC dated June 9, 2008, "Supplemental Response to Generic Letter 2004-02, Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors" (ML081620337)
- (5) Telephone Conference with NRC on June 20, 2008, regarding Point Beach Nuclear Plant Resolution of GL 2004-02

This letter documents the discussions between representatives of the NRC Staff and FPL Energy Point Beach on June 20, 2008 (Reference 5), regarding extension of the current deadline of June 30, 2008, for completion of activities required via Generic Letter 2004-02. FPL Energy Point Beach has requested an extension of the June 30, 2008, completion deadline to September 30, 2008, via Reference (4). The June 20, 2008, discussion between the NRC Staff and FPL Energy Point Beach is identified as Reference (5) above.

The purpose of the telephone conference was to discuss recent industry experience associated with sump screen test results. FPL Energy Point Beach representatives stated that the recent industry experience had prompted FPL Energy Point Beach to develop contingency plans in the event that the plant-specific large flume testing scheduled in July 2008 produces unacceptable results.

Contingencies considered included:

- Further steam jet testing to reduce the asbestos, CalSil, and generic fiberglass insulation destruction pressures from the conservative default values endorsed in NEI 04-07.
- Alternative test protocols that attempt to more closely and realistically simulate the settling of debris on the floor of containment prior to the start of containment sump recirculation.
- Abatement and replacement of fibrous insulation debris sources.
- Enhancing the existing metallic insulation jacketing with additional banding to reduce the debris that could be generated.
- Installation of additional debris interceptors.

Based on the demonstrated efficacy of debris interceptors tested for other facilities, the last option above is anticipated to be the most appropriate to obtain near-term closure of GL 2004-02.

The July 2008 test window scheduled for Point Beach Nuclear Plant (PBNP) at Alden Laboratories includes sufficient time to complete two full tests, in addition to the baseline clean strainer test. Therefore, FPL Energy Point Beach anticipates the following contingency testing:

1. A design basis debris load test, with the debris introduction sequenced to demonstrate both thin bed performance and full design loading performance.
2. In the event of a failure during the first test, the second test run will include a debris interceptor located upstream of the test strainer. This test should be sufficient to demonstrate the effectiveness of a debris interceptor with the PBNP-specific debris loading and flow velocities.

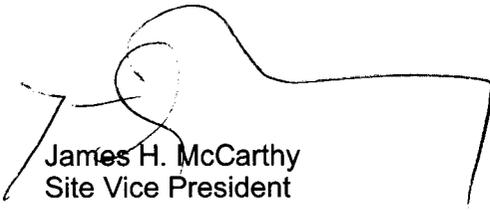
This approach would qualify the debris interceptor performance such that once debris interceptors are installed, the head loss concerns can be considered resolved without further delays for testing. If needed, the design and installation of debris interceptors would proceed as quickly as reasonably achievable for both PBNP units. FPL Energy Point Beach anticipates that the Unit 1 installation would be expedited to occur during the fall 2008 refueling outage, and that the Unit 2 installation would occur during the fall 2009 refueling outage.

Summary of Regulatory Commitments

There are no new Regulatory Commitments proposed by this letter and no revisions to existing Regulatory Commitments.

Very truly yours,

FPL Energy Point Beach, LLC



James H. McCarthy
Site Vice President

cc: Administrator, Region III, USNRC
Project Manager, Point Beach Nuclear Plant, USNRC
Resident Inspector, Point Beach Nuclear Plant, USNRC
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